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### (54) Electric safety socket.

(57) An electrical safety socket (15) in which the neutral and live socket outlets (22-24) are electrically isolated until substantially parallel pins (11-13) of a two- or three-pin plug are inserted therein. The neutral and live socket outlets (22-24) are resiliently biased (42, 43) into a non-parallel disposition such that insertion of a plug into the socket rotates them into a mutually parallel orientation, at the same time causing laterally disposed abutting means (40b, 41b) to impinge on a switch assembly (30-32), thereby closing neutral and live switches connected between the live and neutral feeders (50, 51) and the respective socket outlets (22-24).

Also disclosed is a safety lamp socket (100) having a split collar (112a,b) which is splayed apart upon insertion of a lamp (118). Armatures (113a,b) attached to respective collar components are thereby pivotally (115) displaced about pivots (114) fixed to the socket housing, opposite ends of the armatures (113) impinging on neutral and live switch contacts (107a, 109a) so as to close the corresponding switches and connect the neutral and live feeders (106, 108) to the respective socket outlets (101, 102).

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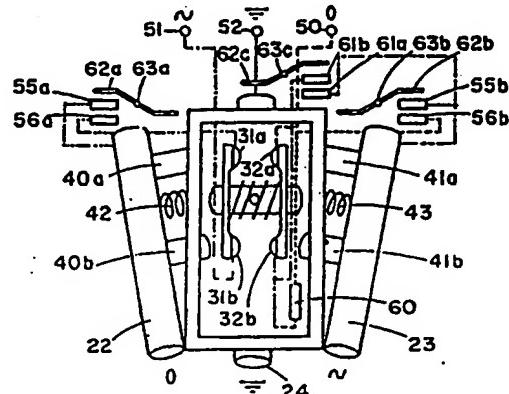


Fig. 4a



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# EUROPEAN SEARCH REPORT

Application Number

EP 88 30 5095

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
X	DE-A-3 110 005 (LEHMANN) * figure 3; page 9, line 15 - page 11, line 26 * ---	1-3,5,6	H 01 R 13/44 H 01 R 13/71 H 01 R 33/96
A	EP-A-0 027 244 (NEUENSCHWANDER) * figures 1,2,4; page 8, line 11 - page 18, line 19 * ---	1,10	
A,D	US-A-4 623 209 (MANGONE) * figures 1-11; column 2, line 25 - column 5, line 17 * ---	1	
A,D	US-A-4 008 403 (ROSE) * whole document * -----	10	
TECHNICAL FIELDS SEARCHED (Int. Cl.4)			
H 01 R 13/00 H 01 R 33/00			
The present search report has been drawn up for all claims			
Place of search  BERLIN	Date of completion of the search  10-05-1990	Examiner  HAHN G	
CATEGORY OF CITED DOCUMENTS  X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ..... & : member of the same patent family, corresponding document	